

FORM PTO-1390  
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

6752-01WOUS

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/019757**INTERNATIONAL APPLICATION NO.  
PCT/SE00/01378INTERNATIONAL FILING DATE  
29 JUNE 2000PRIORITY DATE CLAIMED  
29 JUNE 1999

TITLE OF INVENTION VACUUM CLEANER TOOL FOR SUCTION OF HARD AND/OR SOFT SURFACES

APPLICANT(S) FOR DO/EO/US

MATS WAGER

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19(35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 16 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: 4 sheets drawings

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INTERNATIONAL APPLICATION NO.

PCT/SE00/01378

ATTORNEY'S DOCKET NUMBER

6752-01WOUS

**BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :**

International preliminary examination fee paid to USPTO (37 CFR 1.482)  
and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . . **\$100.00**

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\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	7 - 20 =	0	X \$18.00
Independent claims	1 - 3 =	0	X \$84.00

**MULTIPLE DEPENDENT CLAIM(S) (if applicable)**

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☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

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9

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**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

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Richard R. Michaud      December 21, 2001


NAME \_\_\_\_\_

40.088

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of )

Mat Wager )

for VACUUM CLEANER TOOL FOR )  
SUCTION OF HARD AND/OR SOFT )  
SURFACES )

Serial No.: 10/019,757 )

Filed: December 21, 2001 )

) Our Docket No: 6752-01WOUS

Hartford, Connecticut, May 14, 2002

**Box PCT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

SIR:

Please amend the above-identified application as follows:

In the Specification:

Please substitute the attached SUBSTITUTE SPECIFICATION for the  
specification now on file.

In the Claims:

Please cancel claims 1-7 of the application and substitute the following claims:

8. (New) A vacuum cleaner nozzle for the vacuum cleaning of hard and/or soft surfaces, comprising a nozzle body having an end furthest from the vacuum cleaner, said end being in the form of one of a flat nozzle and dust brush nozzle, said nozzle further including an end nearer to the vacuum cleaner formed for connection to a hose handle of a vacuum cleaner, and wherein the end further from the vacuum cleaner is equipped with an inner tube surrounded by a clear space for the fitting of a wand of a floor nozzle onto said inner tube.

9. (New) A vacuum cleaner nozzle according to Claim 8, wherein the inner tube is entirely contained inside the nozzle body.

10. (New) A vacuum cleaner nozzle according to Claim 8, wherein the end of the nozzle body further from the vacuum cleaner defines a mouth opening, the mouth opening being cut at a bevelled angle in relation to a central axis defined by the nozzle body.

11. (New) A vacuum cleaner nozzle according to Claim 10, further comprising a brush head mounted about a periphery of the bevelled mouth opening of the nozzle body the brush head including a brush approximately parallel to the central axis so that the brush head forms a dust brush nozzle having a suction surface that is approximately parallel to the bevelled mouth opening.

12. (New) A vacuum cleaner nozzle according to Claim 10, further comprising a tube mounted around about an exterior of the nozzle body, the tube being manually slidable between two snap-look positions and said tube also defining a bevelled end of about the same angle and oriented in about the same direction as the bevelled mouth opening of the nozzle body and there is fixed about the periphery of the bevelled end of the outer tube a brush head having a brush approximately parallel to the central axis in such a manner that the brush

head forms a dust brush nozzle having a suction surface which is approximately parallel to the bevelled end.

13. (New) A vacuum cleaner nozzle according to Claim 10, wherein the bevelled mouth opening of the nozzle body forms an angle of approximately 45 degrees relative to the central axis of the nozzle body.

14. (New) A vacuum cleaner nozzle according to Claim 10, wherein edges defined by the bevelled mouth opening of the nozzle body are formed as an approximately flat nozzle for the vacuum cleaning of fabrics in particular.

In the Abstract

Please delete the Abstract of the application and substitute the attached Abstract of the Disclosure:

## ABSTRACT OF THE DISCLOSURE

The invention relates to a vacuum cleaner nozzle intended for the vacuum cleaning of hard and/or soft surfaces. When using a vacuum cleaner, in the course of working through the room one often wishes to switch between vacuuming the floor with the floor nozzle and vacuuming furniture, skirting boards, fabrics, etc. with the dust brush or the flat nozzle as appropriate. Switching between the different nozzles is impeded by the fact that one must let go of the floor nozzle and its wands in order to free a hand to connect or disconnect the dust brush or the flat nozzle. Switching between the dust brush and the flat nozzle also requires a free hand. The invention solves this problem in that the dust brush/flat nozzle is so designed that the wands of the floor nozzle are easily inserted into the nozzle body of the dust brush/flat nozzle, which can thus be left in place on the hose handle. Without the floor nozzle and its wands, a dust brush/flat nozzle with a convenient contact angle is obtained.

REMARKS

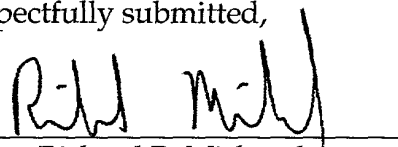
Applicant hereby submits a substitute Specification and a "Marked-up Version" showing the changes made to the Specification.

The above amendments are being made to remove multiple dependencies from its claims, to remove reference numerals from both its claims and abstract, and to place the application in better form for U.S. prosecution.

Should the Examiner have any current questions regarding this application, Applicant respectfully requests that the Examiner contact Applicant's representative at the phone number listed below. While Applicant believes no fees are due with the filing of this amendment, please charge any deficiencies in fees associated with this filing to our Deposit Account No. 13-0235.

Respectfully submitted,

By



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VACUUM CLEANER TOOL FOR SUCTION OF HARD/OR SOFT  
SURFACES:

The present invention relates to a vacuum cleaner nozzle for the vacuum cleaning of hard and/or soft surfaces, whereof one end is designed to be connected to the vacuum cleaner hose handle and the other end is equipped with an inner tube surrounded by a clear space permitting the wand for the floor nozzle to be fitted upon said inner tube.

Swedish Patent 509 890 discloses a nozzle which can be left in place on the vacuum cleaner hose handle even when the wands of the floor nozzle are connected to the vacuum cleaner. Switching between the use of a dust brush nozzle and of a floor nozzle is facilitated thereby. A drawback of the above-mentioned solution is that the dust brush nozzle, or the mounting thereof on the hose handle, is dependent on the length of the hose handle in order for the mouth of the hose handle to be correctly positioned in relation to the bevelled mouth opening of the nozzle body. This is a problem because the length of the hose handle can vary between makes.

The purpose of the present invention is to eliminate the above-mentioned drawback by integrating a tube into the dust brush nozzle so that the hose handle can be inserted into one end of the dust brush nozzle and the wands can be fitted to its other end. This provides a general-purpose dust brush nozzle or flat nozzle with a convenient contact angle (claim 6), which does not need to be moved from its active position when the floor nozzle and wands are in use (claim 1). The user can easily switch between floor cleaning and the use of the dust brush/flat nozzle without the need to put down the floor nozzle and wands in order to free one hand. The invention also permits the dust brush and the flat nozzle to be combined as a combination nozzle with retained ease of use (claim 5).

The invention is explained more particularly below with the aid of Figures 1 to 6. Figures 1 and 2 show a flat nozzle, figures 3 and 4 a dust brush nozzle, and Figures 5 and 6 a combination nozzle.

Figures 1 and 2 show in perspective and in section, respectively, a nozzle body (3) provided at one end with a hole of a suitable fit for connection to the hose handle (2). The interior of the nozzle consists of a tube (5) onto which the wand of the floor nozzle is fitted when desired. The nozzle body (3) exhibits at its far end (4) from the vacuum cleaner a mouth opening cut at a bevelled angle in relation to the central axis. The bevelled mouth



opening forms an angle of approximately 45 degrees with said central axis. The length of the inner tube is chosen so that the mouth of the tube comes to be situated approximately at that edge of the bevelled mouth opening which is nearer to the vacuum cleaner. Wands are readily fitted onto the inner tube by pressing the end of the wand against the far end of the inner surface of the nozzle body and inserting it into the nozzle body. If the inner tube of the nozzle body and its outer shell are correctly sized, the wand (6) will slide in accurately onto the inner tube (5). The bevel angle of approximately 45 degrees of the nozzle body (3) is chosen so that the surface of the bevelled mouth opening will be approximately horizontal when the hose handle (2) is held in the hand in the same way as when vacuuming the floor with the floor nozzle.

The edge of the bevelled mouth opening (4) is designed so that it can be used as an effective and gentle flat nozzle for e.g. the vacuuming of textiles. The edge may be provided with e.g. tooth-like notches so that air will be sucked in through the notches, entraining dust from the surface being cleaned. The edge may also be lined with a Velcro-like adhesive material.

Figures 3 and 4 show in perspective and in section, respectively, a brush head (1) mounted on the bevelled end (4) of a nozzle body (3) so that the end of the brush head itself forms an angle of approximately 45 degrees with the axis of the nozzle body. Thus a dust brush nozzle is formed having a convenient contact angle and with the retained ability, with the aid of the bevelled end (4) of the nozzle body, to easily guide the wand (6) into connection with the inner tube (5). The bristles of the brush may be of differing lengths about the periphery in order to further modify the contact angle. The bristles may moreover point somewhat outwards from the centreline of the nozzle body in order to increase the suction surface and facilitate the insertion of the wand (6).

Figures 5 and 6, finally, show in perspective and in section respectively a combination nozzle wherein the brush head (1) of Figures 3 and 4 is replaced with a brush head (8) fixed to a tube (7) which can be slid lengthways along the nozzle body (3). The tube (7) has two end positions in which it is retained with snap fastenings. The snap fastenings are not shown in the figures. The end positions are chosen so that in one position, Figures 5a and 6a, the brush head is active when the wand is removed and in the other position the brush head is retracted far enough so that the bevelled mouth opening (4) of the nozzle

body (3) is exposed for use as a flat nozzle, Figures 5b and 6b. The wand (6) can be easily attached to the inner tube (5) with the brush head (8) in either of its end positions. The two snap-lock positions can be achieved in a number of ways such that the snap-locking force is sufficient to retain the tube (7), with the brush head (8) in place, during vacuuming with the brush head (8) in active position, or in retracted position during vacuuming with the flat nozzle (4), but is still easily overcome in order to slide the tube (7) and brush head (8) between its two end positions. In the end positions, one end of the tube (7) coincides approximately with the corresponding end of the nozzle body (3). The tube (7) is so constrained in its motion along the nozzle body that it is prevented from rotating about the latter. This constraint is not shown in Figures 5 and 6 but may be achieved in a known manner e.g. by means of splines or by endowing the outside of the nozzle body (3) and the inside of the tube (7) with an oval cross-section.

Obviously, specially designed nozzles for additional functions may be attached to the inner tube (5) in place of the wand (6), with all the above-mentioned nozzles in place.

Claims

1. A vacuum cleaner nozzle for the vacuum cleaning of hard and/or soft surfaces, whereof the end further from the vacuum cleaner has the form of a flat nozzle or dust brush  
5 nozzle and whereof the end nearer to the vacuum cleaner is formed for connection to the hose handle of the vacuum cleaner (2), *wherein* the end further from the vacuum cleaner is equipped with an inner tube (5) surrounded by a clear space for the fitting of the wand (6) of a floor nozzle onto said inner tube.
- 10 2. A vacuum cleaner nozzle according to Claim 1, *wherein* the inner tube is entirely contained inside the nozzle body (3).
3. A vacuum cleaner nozzle according to Claim 1 or 2, *wherein* the end of the nozzle body further from the vacuum cleaner exhibits a mouth opening (4) cut at a bevelled  
15 angle in relation to the central axis.
4. A vacuum cleaner nozzle according to Claim 3, *wherein* there is mounted about the oval periphery of the bevelled mouth opening (4) of the nozzle body (3) a brush head (1) with the brush approximately parallel to the central axis so that the brush head (1)  
20 forms a dust brush nozzle having a suction surface that is approximately parallel to the bevelled mouth opening.
5. A vacuum cleaner nozzle according to Claim 3, *wherein* there is mounted around about the exterior of the nozzle body (3) a tube (7) which can be slid by external hand power  
25 between two snap-lock positions and said tube (7) also exhibits a bevelled end of the same angle and oriented in the same direction as the bevelled mouth opening (4) of the nozzle body and there is fixed about the oval periphery of the bevelled end of the outer tube (7) a brush head (8) with the brush approximately parallel to the central axis in such a manner that the brush head forms a dust brush nozzle having a suction surface  
30 which is approximately parallel to the bevelled end.
6. A vacuum cleaner nozzle according to any of Claims 3 to 5 inclusive, *wherein* the bevelled mouth opening (4) of the nozzle body (3) forms an angle of approximately 45 degrees to the central axis of the nozzle body (3).

7. A vacuum cleaner nozzle according to any of Claims 3 to 6 inclusive, *wherein* the edges of the bevelled mouth opening (4) of the nozzle body (3) are formed as a flat nozzle for the vacuum cleaning of fabrics in particular.

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(71) Applicant and

(72) Inventor: WAGER, Mats [SE/SE]; Skansv. 71, S-191 33  
Sollentuna (SE).

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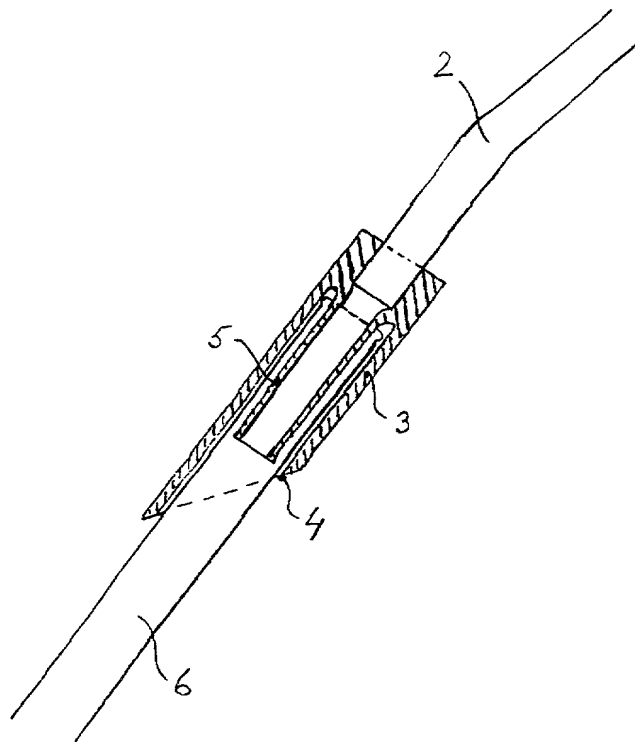
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VACUUM CLEANER TOOL FOR SUCTION OF HARD AND/OR SOFT SURFACES



(57) Abstract: The invention relates to a vacuum cleaner nozzle intended for the vacuum cleaning of hard and/or soft surfaces. When using a vacuum cleaner, in the course of working through the room one often wishes to switch between vacuuming the floor with the floor nozzle and vacuuming furniture, skirting boards, fabrics etc. with the dust brush or the flat nozzle as appropriate. Switching between the different nozzles is impeded by the fact that one must let go of the floor nozzle and its wands in order to free a hand to connect or disconnect the dust brush or the flat nozzle. Switching between the dust brush and the flat nozzle also requires a free hand. The invention solves this problem in that the dust brush/flat nozzle is so designed that the wands (6) of the floor nozzle are easily inserted into the nozzle body (3) of the dust brush/flat nozzle, which can thus be left in place on the hose handle. Without the floor nozzle and its wands, a dust brush/flat nozzle with a convenient contact angle is obtained.

I(4)

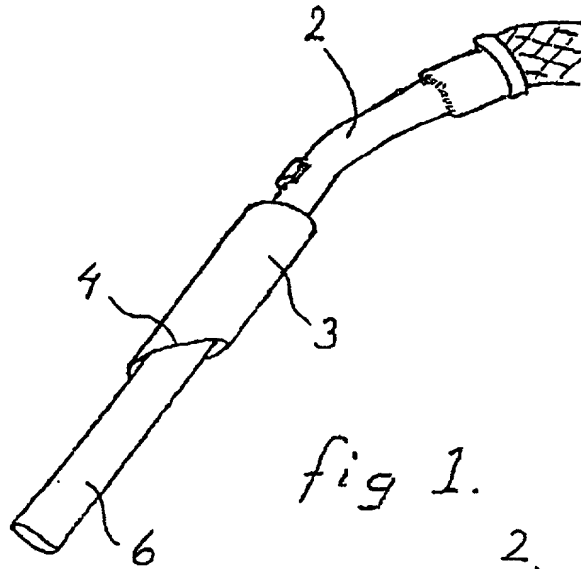


fig 1.

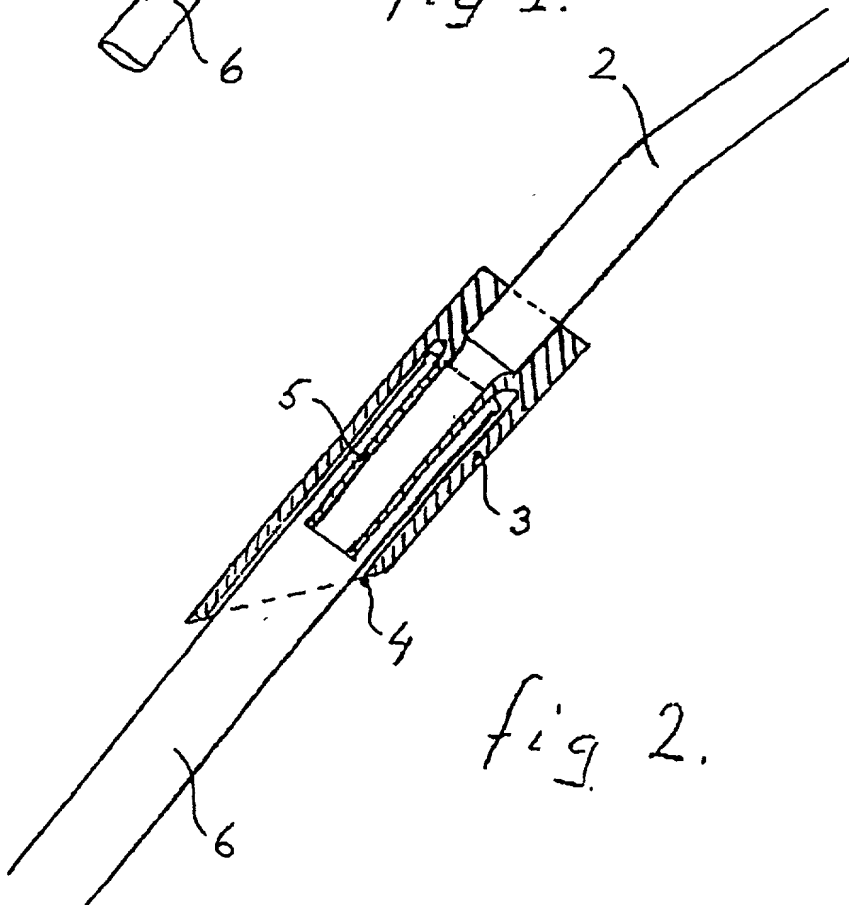


fig 2.

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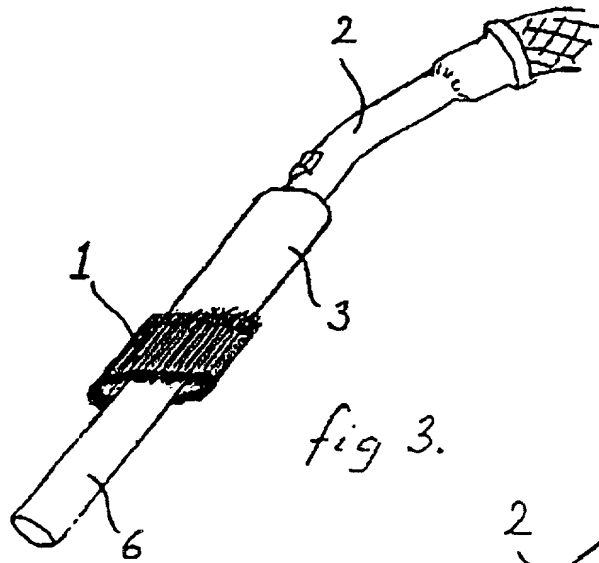


fig 3.

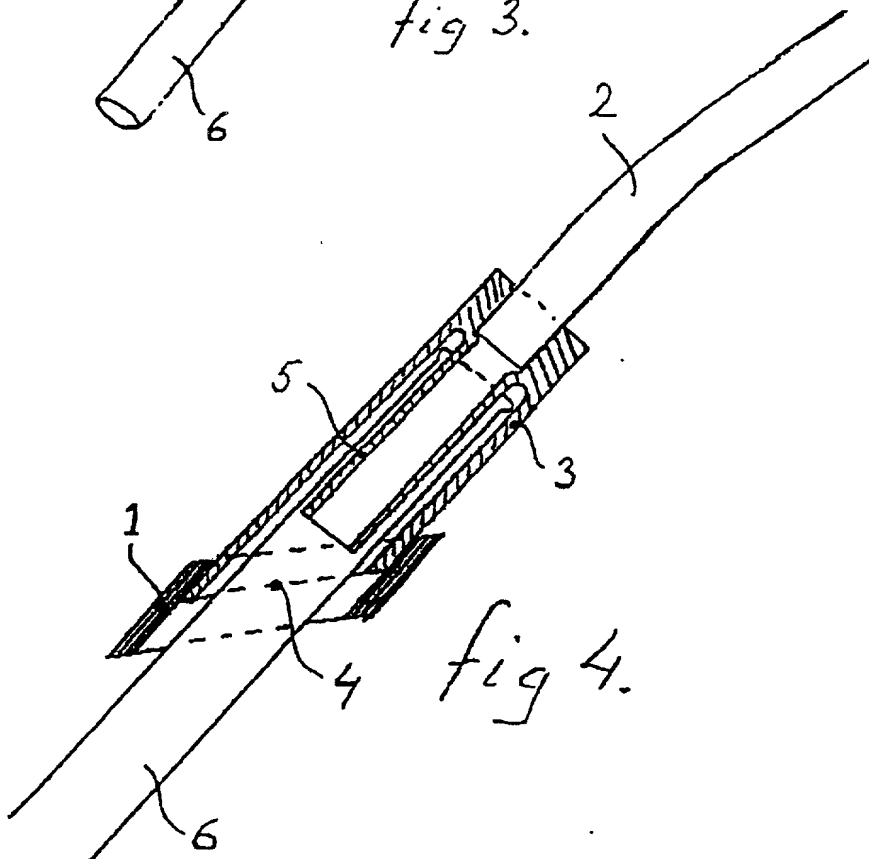
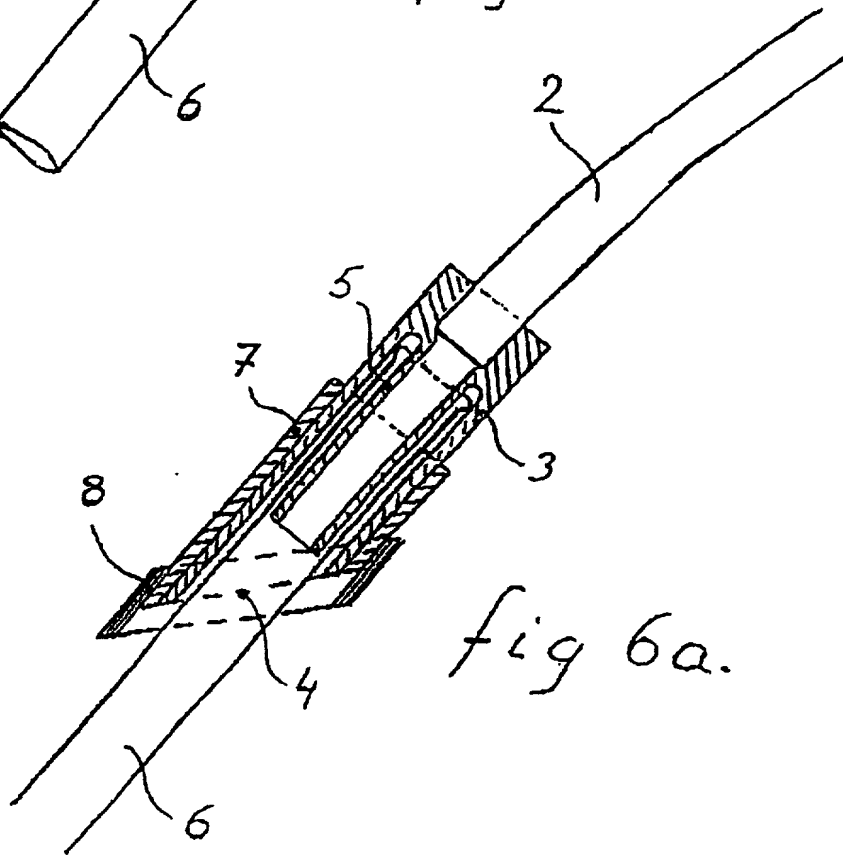
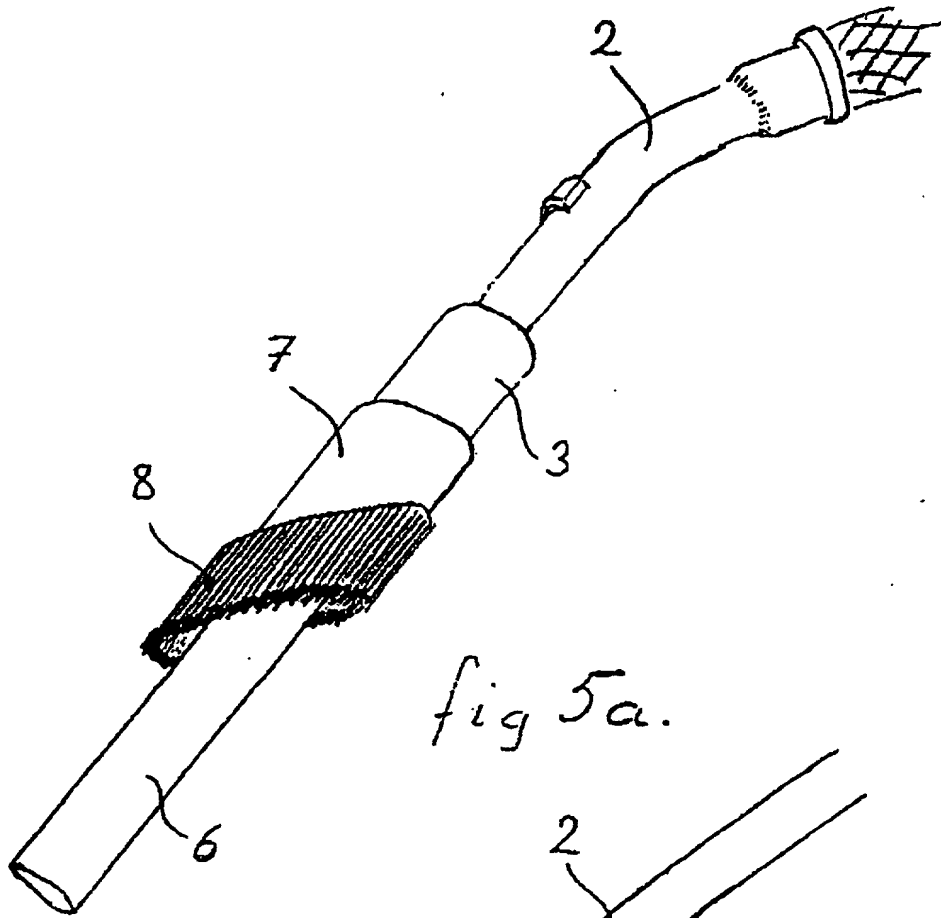


fig 4.

3(4)



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4(4)

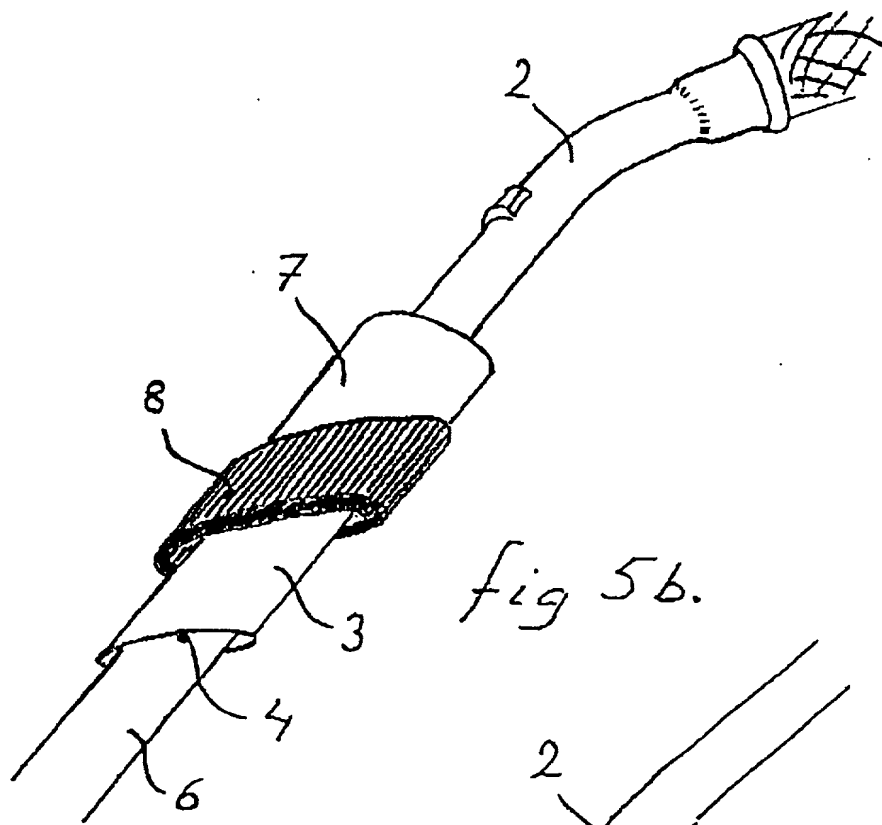


fig 5b.

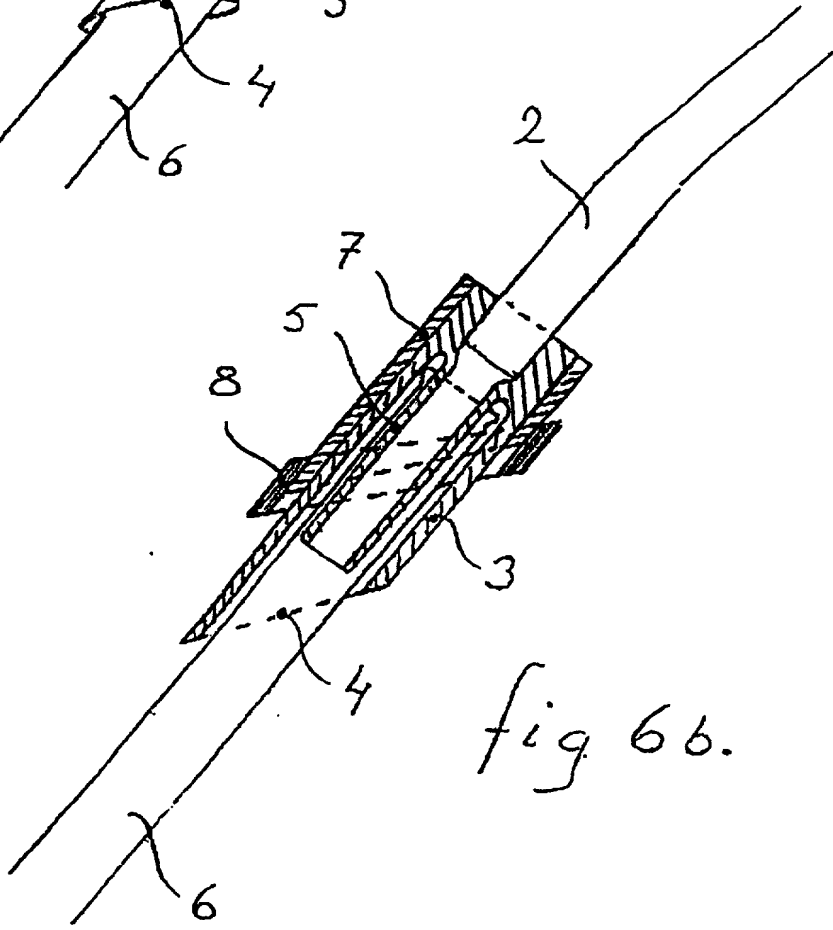


fig 6b.

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**VACUUM CLEANER TOOL FOR SUCTION OF HARD  
AND/OR SOFT SURFACES**

5

Cross-Reference to Related Applications

This application is entitled to the benefit of and incorporates by reference essential subject matter disclosed in International Application No.

10 PCT/SE00/01378 filed on June 29, 2000 and Swedish Patent Application No. 9902447-3 filed on June 29, 1999.

Field of the Invention

15 The present invention relates to a vacuum cleaner nozzle for the vacuum cleaning of hard and/or soft surfaces, whereof one end is designed to be connected to the vacuum cleaner hose handle and the other end is equipped with an inner tube surrounded by a clear space permitting the wand for the floor nozzle to be fitted upon said inner tube.

20

Background of the Invention

A nozzle which can be left in place on the vacuum cleaner hose handle even when the wands of the floor nozzle are connected to the vacuum cleaner is known. Switching between the use of a dust brush nozzle and of a floor nozzle is facilitated thereby. A drawback of the above-mentioned solution is that the dust  
25 brush nozzle, or the mounting thereof on the hose handle, is dependent on the length of the hose handle in order for the mouth of the hose handle to be correctly positioned in relation to the bevelled mouth opening of the nozzle body. This is a problem because the length of the hose handle can vary between  
30 makes.

Summary of the Invention

The purpose of the present invention is to eliminate the above-mentioned drawback by integrating a tube into the dust brush nozzle so that the hose  
35 handle can be inserted into one end of the dust brush nozzle and the wands can be fitted to its other end. This provides a general-purpose dust brush nozzle or

flat nozzle with a convenient contact angle (claim 6), which does not need to be moved from its active position when the floor nozzle and wands are in use (claim 1). The user can easily switch between floor cleaning and the use of the dust brush/flat nozzle without the need to put down the floor nozzle and wands in order to free one hand. The invention also permits the dust brush and the flat nozzle to be combined as a combination nozzle with retained ease of use (claim 5).

#### Brief Description of the Drawings

The invention is explained more particularly below with the aid of Figures 1 to 6. Figures 1 and 2 show a flat nozzle, figures 3 and 4 a dust brush nozzle, and Figures 5 and 6 a combination nozzle.

#### Detailed Description of the Preferred Embodiments

Figures 1 and 2 show in perspective and in section, respectively, a nozzle body (3) provided at one end with a hole of a suitable fit for connection to the hose handle (2). The interior of the nozzle consists of a tube (5) onto which the wand of the floor nozzle is fitted when desired. The nozzle body (3) exhibits at its far end (4) from the vacuum cleaner a mouth opening cut at a bevelled angle in relation to the central axis. The bevelled mouth opening forms angle of approximately 45 degrees with said central axis. The length of the inner tube is chosen so that the mouth of the tube comes to be situated approximately at that edge of the bevelled mouth opening which is nearer to the vacuum cleaner. Wands are readily fitted onto the inner tube by pressing the end of the wand against the far end of the inner surface of the nozzle body and inserting it into the nozzle body. If the inner tube of the nozzle body and its outer shell are correctly sized, the wand (6) will slide in accurately onto the inner tube (5). The bevel angle of approximately 45 degrees of the nozzle body (3) is chosen so that the surface of the bevelled mouth opening will be approximately horizontal when the hose handle (2) is held in the hand in the same way as when vacuuming the floor with the floor nozzle.

The edge of the bevelled mouth opening (4) is designed so that it can be used as an effective and gentle flat nozzle for e.g. the vacuuming of textiles. The edge may be provided with e.g. tooth-like notches so that air will be sucked in through the notches, entraining dust from the surface being cleaned. The edge may also  
 5 be lined with a Velcro-like adhesive material.

Figures 3 and 4 show in perspective and in section, respectively, a brush head (1) mounted on the bevelled end (4) of a nozzle body (3) so that the end of the brush head itself forms an angle of approximately 45 degrees with the axis of the nozzle  
 10 body. Thus a dust brush nozzle is formed having a convenient contact angle and with the retained ability, with the aid of the bevelled end (4) of the nozzle body, to easily guide the wand (6) into connection with the inner tube (5). The bristles of the brush may be of differing lengths about the periphery in order to further modify the contact angle. The bristles may moreover point somewhat outwards  
 15 from the centreline of the nozzle body in order to increase the suction surface and facilitate the insertion of the wand (6).

Figures 5 and 6, finally, show in perspective and in section respectively a combination nozzle wherein the brush head (1) of Figures 3 and 4 is replaced  
 20 with a brush head (8) fixed to a tube (7) which can be slid lengthways along the nozzle body (3). The tube (7) has two end positions in which it is retained with snap fastenings. The snap fastenings are not shown in the figures. The end positions are chosen so that in one position, Figures 5a and 6a, the brush head is active when the wand is removed and in the other position the brush head is  
 25 retracted far enough so that the bevelled mouth opening (4) of the nozzle body (3) is exposed for use as a flat nozzle, Figures 5b and 6b. The wand (6) can be easily attached to the inner tube (5) with the brush head (8) in either of its end positions. The two snap-lock positions can be achieved in a number of ways such that the snap-locking force is sufficient to retain the tube (7), with the brush head  
 30 (8) in place, during vacuuming with the brush head (8) in active position, or in retracted position during vacuuming with the flat nozzle (4), but is still easily overcome in order to slide the tube (7) and brush head (8) between its two end positions. In the end positions, one end of the tube (7) coincides approximately

with the corresponding end of the nozzle body (3). The tube (7) is so constrained in its motion along the nozzle body that it is prevented from rotating about the latter. This constraint is not shown in Figures 5 and 6 but may be achieved in a known manner e.g. by means of splines or by endowing the outside of the  
5 nozzle body (3) and the inside of the tube (7) with an oval cross-section.

Obviously, specially designed nozzles for additional functions may be attached to the inner tube (5) in place of the wand (6), with all the above-mentioned nozzles in place.

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
(includes Reference to PCT International Applications)

Attorney's docket No.

75968 US

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

VACUUM CLEANER TOOL FOR SUCTION OF HARD AND/OR SOFT SURFACES

the specification of which (check only one item below):

☐ is attached hereto.

☐ was filed as United States application.

Serial No. \_\_\_\_\_

on \_\_\_\_\_

and was amended

on \_\_\_\_\_ (if applicable).

☒ was filed as PCT international application

Number SE00/01378

on 29 June 2000

and was amended under PCT Article 19

on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

COUNTRY (if PCT indicate PCT)	APPLICATION NO.	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
Sweden	9902447-3	29 June 1999	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**Combined declaration for patent application and power of attorney (continued)**  
(includes Reference to PCT International Applications)

Attorney's docket No.

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:**

U.S. APPLICATIONS		STATUS (Check one)		
APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
APPLICATION NO.	FILING DATE	US SERIAL NO. ASSIGNED (if any)		
SE00/01378	29 June 2000			

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number):

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201

Mats Wager  
DATE  
Dec 26<sup>th</sup> 2001